IFW

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

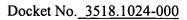
AUTHORIZATION OF AGENT AND CORRESPONDENCE ADDRESS

Application Number	10/723,250
Filing Date	November 26, 2003
First Named Inventor	Thomas M. DiMauro
Confirmation Number	6059
Group Art Unit	1617
Examiner Name	Unknown
Attorney Docket Number	3518.1024-000

Title

 ${\tt LOCAL\ INTRAOSSEOUS\ ADMINISTRATION\ OF\ BONE\ FORMING\ AGENTS\ AND\ ANTI-RESORPTIVE\ AGENTS,\ AND\ DEVICES\ THEREFOR$

I/W e	hereby a	ppoint
[X]	the atto	rneys/agents associated with Customer No. 021005
[]	Practiti	oner(s) named below:
	ations t	orneys/agents to prosecute the application identified above, including any continuation or divisional nereof, and to transact all business in the United States Patent and Trademark Office connected
The c	orrespo	ndence address for the above-identified application is:
[X]	Custon	ner Number 021005
	Hamilto	on, Brook, Smith & Reynolds, P.C.
	530 Vir	ginia Road
	P.O. B	ox 9133
	Conco	d, Massachusetts 01742-9133
[]	Other_	
		all telephone calls and facsimiles to:
Name	<u>Deird</u>	re E. Sanders, Esq. Tel. No. 978-341-0036 Fax No. 978-341-0136
l am t	the:	
[]	Applica	nt/Inventor.
[X]	Authori Statem	zed representative of the Assignee, DePuy Spine, Inc., of the entire interest. See 37 C.F.R. § 3.71. A ent under 37 C.F.R. §3.73(b) is enclosed.
[]	Authori 37 C.F.	zed representative of the Assignee, [], together with [], of the entire interest. A Statement under R. § 3.73(b) is enclosed.
		SIGNATURE of Applicant or Assignee of Record
Name (& Title	Thomas M. DiMauro, Esq. Assistant Secretary
Signatu	ıre	Thoras M D Mars
Date		7-9-04





STATEMENT UNDER 37 C.F.R. § 3.73(b)

Invento	rs: Thom:	as M. DiMauro, Mohamed Attaw	ia, Hassan Serhan, Melissa Grace, Michael Slivka, Thomas G. Ferro, Vivek N.
Shenoy.	Alonzo	D. Cook and Scott Bruder	
Applica	tion No.:	10/723,250	Filed Date: November 26, 2003
For: LO	CAL IN	ΓRAOSSEOUS ADMINISTRAT	ION OF BONE FORMING AGENTS AND ANTI-RESORPTIVE AGENTS,
AND D	EVICES	THEREFOR	
<u>DePu</u>	y Spine, I	NC. (Name of Assignee)	, a corporation (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)
states th	at it is		
Α.	[X]	the assignee of the entire right, t	itle and interest in the patent application identified above; or
В.	[]	an assignee together with [above.] of the entire right, title and interest in the patent application identified
The rigl	nt, title an	nd interest of the above-named ass	signee in the patent application identified above is established by virtue of:
A. [X]			patent application identified above. The assignment was recorded in the Patent, Frame, or a copy thereof is attached.
OR			
B.[]	A chain	of title from the inventor(s) of th	e patent application identified above, to the current assignee as shown below:
	1.	The document was recorded in t	To: he United States Patent and Trademark Office at , or a copy thereof is attached.
	2.	The document was recorded in t	To:
	3.	The document was recorded in t	To:
	[] Ad	ditional documents in the chain o	f title are listed on a supplemental sheet.
The und	lersigned	(whose title is supplied below) is	authorized to act on behalf of the assignee.
Date:	7	· 9-0y	
Name: 1	Thomas M	M. DiMauro, Esq.	
Title:/	Assistant	Secretary	
Signatur	re: /	romar M. D. Mario	<u>-</u>

ASSIGNMENT

Joint

WHEREAS, we, Thomas M. DiMauro, Mohamed Attawia, Hassan Serhan, Melissa Grace, Michael Slivka, Thomas G. Ferro, Vivek N. Shenoy, Alonzo D. Cook and Scott Bruder, have invented a certain improvement in LOCAL INTRAOSSEOUS ADMINISTRATION OF BONE FORMING AGENTS AND ANTI-RESORPTIVE AGENTS, AND DEVICES THEREFOR described in an application for Patent,

	onal Application
[] is about to be filed in the United States Patent Office as a Provision	
[X] the specification of which is United States Application No. 10/723 November 26, 2003;	3,250, filed
[] the specification of which is a Patent Cooperation Treaty Applicate International Application No. [], which designates the United S America;	tion, States of
[] which was patented under United States Patent No. [].	

WHEREAS, **DePuy Spine**, **Inc.** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **State of Ohio**, and having a usual place of business at 325 **Paramount Drive**, **Raynham**, **Massachusetts 02767-0350** desires to acquire an interest therein in accordance with agreements duly entered into with us;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of any future applications including substitution, reissue, divisional or continuation applications, and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said invention to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor's Signature: MmuM D.Marc	
State/Commonwealth Thomas M. DiMauro	
-	
of <u>Massachusetts</u>	
County of Bristol	
On this day of Mah, 20 04, before me, the undersinotary public, personally appeared Thomas M. DiMauro,	gned
personally known to me, or	
proved to me through satisfactory evidence of identification, which was	
to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.	
(SEAL) Amy Schick Notary Public	
Amy Schick (print name)	
My Commission expires 1/21/2011	

Inventor's Signature:
State/Commonwealth Mohamed Attawia
of Massachusetts
County of Bristol
On this 24th day of My, 20 H, before me, the undersigned notary public, personally appeared Mohamed Attawia,
personally known to me, or
proved to me through satisfactory evidence of identification, which was
to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.
(SEAL) AMy Shell Notary Public
Amy Schick (print name)
My Commission expires 1 121. 1201
Inventor's Signature:
State/Commonwealth CHassan Serhan
ofMassachusetts
County of Bristol
On this
personally known to me, or
proved to me through satisfactory evidence of identification, which was
be the person whose name was signed on the foregoing instrument in my presence, and cknowledged that he/she signed the foregoing instrument as his/her free act and deed.
SEAL) Amy Schick Notary Public
AMY SCHICK (print name)
My Commission expires 1 / 21 / 2011

Inventor's Signature: Mussu A	lace
State/Commonwealth	Melissa Grace
of <u>Massachusetts</u>	
County of Bristol	
On this <u>20th</u> day of <u>May</u> notary public, personally appeared Melisca Gra	$\frac{}{}$, 20 $\sigma \psi$, before me, the undersigned
personally known to me, or	
proved to me through satisfactory evidence	ce of identification, which was
to be the person whose name was signed on the facknowledged that he/she signed the foregoing in	foregoing instrument in my presence, and nstrument as his/her free act and deed.
(SEAL) Amy Sca	hick - Notary Public
Amy Sch	(print name)
	xpires / 121 12011
Inventor's Signature:	
7	Michael Slivka
State/Commonwealth	Michael Slivka
State/Commonwealth ofMassachuseHs	Michael Slivka
State/Commonwealth of MassachuseHs County of Bristol	- -
State/Commonwealth ofMassachuseHs	- $\begin{array}{c} - \\ 200 \\ \end{array}$, before me, the undersigned
State/Commonwealth ofMassachuseHs County ofBristol On thisday ofMay	- $\begin{array}{c} - \\ 200 \\ \end{array}$, before me, the undersigned
State/Commonwealth of	$\frac{1}{1}$, $\frac{1}{1}$, before me, the undersigned $\frac{1}{1}$,
State/Commonwealth of	of identification, which was
State/Commonwealth of	of identification, which was regoing instrument in my presence, and trument as his/her free act and deed.
State/Commonwealth of	of identification, which was regoing instrument in my presence, and trument as his/her free act and deed. Notary Public
State/Commonwealth of	of identification, which was regoing instrument in my presence, and trument as his/her free act and deed.

Inventor's Signature:	
State/Commonwealth	Thomas G. Ferro
County of	N. Control of the con
On this d	ay of, 20, before me, the undersigned appeared Thomas G. Ferro,
personally known	
	ugh satisfactory evidence of identification, which was
to be the person whose na	ame was signed on the foregoing instrument in my presence, and e signed the foregoing instrument as his/her free act and deed.
(SEAL)	Notary Public
	(print name)
	My Commission expires//
Inventor's Signature:	
State/Commonwealth	Vivek N. Shenoy
of	
County of	
notary public, personally a	of, 20, before me, the undersigned ppeared Vivek N. Shenoy,
personally known to	me, or
proved to me throug	th satisfactory evidence of identification, which was
to be the person whose nam acknowledged that he/she s	ne was signed on the foregoing instrument in my presence, and igned the foregoing instrument as his/her free act and deed.
(SEAL)	Notary Public
	(print name)
	My Commission expires//

Inventor's Signature: Along D. Cook
State/Commonwealth
of Massachusetts
County of Bristol
On this, 20, 20, before me, the undersigned notary public, personally appeared Alonzo D. Cook,
personally known to me, or
proved to me through satisfactory evidence of identification, which was
to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.
(SEAL) Ama Schut Notary Public
(SEAL) Amy Schick (print name)
My Commission expires / /21 / 2011
Inventor's Signature:
Scott Bruder
State/Commonwealth
of <u>Massachusetts</u>
County of Bristol
On this
personally known to me, or
proved to me through satisfactory evidence of identification, which was
to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.
(SEAL) Amy Schick Notary Public
AMY SCHICK (print name)
My Commission expires 1 /21 / 2011

COPY

Docket No. 3518.1024-000

Joint

<u>ASSIGNMENT</u>

WHEREAS, wc, Thomas M. DiMauro, Mohamed Attawia, Hassan Serhan, Melissa Grace, Michael Slivka, Thomas G. Ferro, Vivek N. Shenoy, Alonzo D. Cook and Scott Bruder, have invented a certain improvement in LOCAL INTRAOSSEOUS ADMINISTRATION OF BONE FORMING AGENTS AND ANTI-RESORPTIVE AGENTS, AND DEVICES THEREFOR described in an application for Patent,

[]	the specification of which is being executed on even date herewith and is about to be filed in the United States Patent Office (use for utility (37 CFR § 1.53(b)) and design filings only);
[]	is about to be filed in the United States Patent Office as a Provisional Application;
[X]	the specification of which is United States Application No. 10/723,250, filed November 26, 2003;
[]	the specification of which is a Patent Cooperation Treaty Application, International Application No. [], which designates the United States of America;
[]	which was patented under United States Patent No. [].

WHEREAS, DePuy Spine, Inc. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of Ohio, and having a usual place of business at 325 Paramount Drive, Raynham, Mussachusetts 02767-0350 desires to acquire an interest therein in accordance with agreements duly entered into with us;

Docket No. 3518.1024-000

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of any future applications including substitution, reissue, divisional or continuation applications, and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said invention to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY date set forth below.	WHEREOF, we have here	cunto set o	ur hands and affixed our seals the
Inventor's Signature:			
State/Commonwealth of	Th	omas M. I	DiMauro -
County of			
On this day notary public, personally a	of ppeared Thomas M. DiM a	, 20 auro,	, before me, the undersigned
personally known to	me, or		
proved to me throug	h satisfactory evidence of	identificat	ion, which was
o be the person whose name acknowledged that he/she s	e was signed on the foregoing instruc	oing instru nent as his	ment in my presence, and softer free act and deed.
SEAL)			Notary Public
			(print name)
	My Commission expires	/_	

-3-

	Docket No. 3518.1026
Inventor's Signature:	Mohamed & Maria
State/Commonwealth	/ Mohamed Attawia
of <u>Massach</u>	71150 H
County of Bris	
On this 7th	day of, 20 04, before me, the undersignery appeared Mohamed Attawia,
personally known	i to me, or
proved to me three	ough satisfactory evidence of identification, which was
to be the person whose n	name was signed on the foregoing instrument in my presence, and are signed the foregoing instrument as his/her free act and deed.
YSEAL	Ame Schick Notary Public
	AMY Schick (print name)
2000	My Commission expires 1 / 21 / 2011
<u> </u>	
Inventor's Signature:	
State/Commonwealth	Hassan Serhan
of	
County of	
	•
	ay of, 20, before me, the undersigned appeared Hassan Serhan.
	,
personally known	io me, or
proved to me throu	igh satisfactory evidence of identification, which was
to be the margan archaean	ame was signed on the foregoing instrument in my presence, and
acknowledged that he/she	signed the foregoing instrument as his/her free act and deed.
acknowledged that he/she (SEAL)	Notary Public
acknowledged that he/she	

-4-

Docket No. 3518,1024-000 Inventor's Signature: Melissa Grace State/Commonwealth County of On this ______ day of _______, 20_____, before me, the undersigned notary public, personally appeared Melissa Grace, personally known to me, or proved to me through satisfactory evidence of identification, which was to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed. (SEAL) Notary Public (print name) My Commission expires Inventor's Signature: Michael Slivka State/Commonwealth County of On this ______ day of ______, 20____, before me, the undersigned notary public, personally appeared Michael Slivka, personally known to me, or proved to me through satisfactory evidence of identification, which was to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed. (SEAL) Notary Public (print name) My Commission expires ____/___/

-5-

Docket No. 3518.1024-000 Inventor's Signature: Thomas G. Ferro State/Commonwealth On this ______ day of ______, 20 _____, before me, the undersigned notary public, personally appeared Thomas G. Ferro, personally known to me, or proved to me through satisfactory evidence of identification, which was to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed. (SEAL) Notary Public (print name) My Commission expires ____/__/ Inventor's Signature: Vivek N. Shenoy State/Commonwealth County of On this ______ day of _______, 20_____, before me, the undersigned notary public, personally appeared Vivek N. Shenoy, personally known to me, or proved to me through satisfactory evidence of identification, which was to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed. (SEAL) Notary Public (print name) My Commission expires ____/ /

-6-

		Docket No. 3518.1024-000
Inventor's Signature:		
State/Commonwealth		Alonzo D. Cook
County of		-
On this d notary public, personally	ay ofappeared Alonzo D. Co	, 20, before me, the undersigned
personally known		
proved to me throu	ugh satisfactory evidenc	e of identification, which was
to be the person whose na acknowledged that he/she	ame was signed on the foregoing in	oregoing instrument in my presence, and strument as his/her free act and deed.
(SEAL)		Notary Public
•		(print name)
	My Commission ex	pires/
Inventor's Signature:		
State/Commonwealth		Scott Bruder
County of		-
On this day notary public, personally a	ofppeared Scott Bruder,	, 20, before me, the undersigned
personally known to	mc, or	
proved to me throug	h satisfactory evidence	of identification, which was
o be the person whose nan cknowledged that he/she s	ne was signed on the for	regoing instrument in my presence, and trument as his/her free act and deed.
SEAL)		Notary Public
		(print name)
	My Commission exp	· · · · · · · · · · · · · · · · · · ·

Joint



ASSIGNMENT

WHEREAS, we, Thomas M. DiMauro, Mohamed Attawia, Hassan Serhan, Melissa Grace, Michael Slivka, Thomas G. Ferro, Vivek N. Shenoy, Alonzo D. Cook and Scott Bruder, have invented a certain improvement in LOCAL INTRAOSSEOUS ADMINISTRATION OF BONE FORMING AGENTS AND ANTI-RESORPTIVE AGENTS, AND DEVICES THEREFOR described in an application for Patent,

[]	the specification of which is being executed on even date herewith and is about to be filed in the United States Patent Office (use for utility (37 CFR § 1.53(b)) and design filings only);
[]	is about to be filed in the United States Patent Office as a Provisional Application;
[X]	the specification of which is United States Application No. 10/723,250, filed November 26, 2003;
[]	the specification of which is a Patent Cooperation Treaty Application, International Application No. [], which designates the United States of America;
[]	which was patented under United States Patent No. [].
11/// / / / /	

WHEREAS, DePuy Spine, Inc. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of Ohio, and having a usual place of business at 325 Paramount Drive, Raynham, Massachusetts 02767-0350 desires to acquire an interest therein in accordance with agreements duly entered into with us;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of any future applications including substitution, reissue, divisional or continuation applications, and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said invention to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below. Inventor's Signature: Thomas M. DiMauro State/Commonwealth of County of On this ______, 20_____, before me, the undersigned notary public, personally appeared Thomas M. DiMauro, personally known to me, or proved to me through satisfactory evidence of identification, which was to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed. (SEAL) Notary Public (print name) My Commission expires

Inventor's Signature:	
State/Commonwealth	Mohamed Attawia
of	
County of	
	, 20, before me, the undersigned ed Mohamed Attawia,
personally known to me,	
proved to me through sati	sfactory evidence of identification, which was
to be the person whose name was	s signed on the foregoing instrument in my presence, and the foregoing instrument as his/her free act and deed.
(SEAL)	Notary Public
	(print name)
My	Commission expires//
Inventor's Signature:	
State/Commonwealth	Hassan Serhan
of	
County of	
	, 20 before me, the undersioned
personally known to me, or	
proved to me through satisf	factory evidence of identification, which was
o be the person whose name was acknowledged that he/she signed t	signed on the foregoing instrument in my presence, and he foregoing instrument as his/her free act and deed.
SEAL)	Notary Public
	(print name)
My	Commission expires//

Inventor's Signature:			
State/Commonwealth		Melissa	Grace
of			
County of	- · · · · · · · · · · · · · · · · · · ·		
On this day notary public, personally ap	of	, 20	, before me, the undersigned
personally known to			
proved to me through	satisfactory evidence	of identific	eation, which was
to be the person whose name acknowledged that he/she si	e was signed on the fore gned the foregoing inst	egoing instrument as	trument in my presence, and his/her free act and deed.
(SEAL)			Notary Public
			(print name)
	My Commission expi	res	
Inventor's Signature:		•	
		Michael S	Slivka -
State/Commonwealth			
ofCounty of		-	
	_		
On this day on the day of t		, 20	, before me, the undersigned
personally known to m	ne, or		
proved to me through	satisfactory evidence of	identifica	tion, which was
to be the person whose name acknowledged that he/she sign	was signed on the foreg	going instr ment as h	ument in my presence, and is/her free act and deed.
(SEAL)			Notary Public
			(print name)
_	My Commission expir	es	/

Inventor's Signature: Thomas of Feer
Thomas G. Ferro State/Commonwealth
of Indiana
County of Koscius Ko
On this 25th day of May, 2004, before me, the undersigned notary public, personally appeared Thomas G. Ferro,
personally known to me, or
proved to me through satisfactory evidence of identification, which was
to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.
(SEAL) Karen Brace (print name)
Karen Brace (print name)
My Commission expires 2/28/2008
Inventoria Cianatura
Inventor's Signature:
Vivek N. Shenov
State/Commonwealth
State/Commonwealth of
State/Commonwealth of County of
State/Commonwealth of
State/Commonwealth of County of On this day of, 20 , before me, the undersigned
State/Commonwealth of County of On this day of, 20, before me, the undersigned notary public, personally appeared Vivek N. Shenoy,
State/Commonwealth of County of On this day of, 20, before me, the undersigned notary public, personally appeared Vivek N. Shenoy, personally known to me, or
State/Commonwealth of County of On this day of, 20, before me, the undersigned notary public, personally appeared Vivek N. Shenoy, personally known to me, or proved to me through satisfactory evidence of identification, which was
State/Commonwealth of County of On this day of, 20, before me, the undersigned notary public, personally appeared Vivek N. Shenoy, personally known to me, or proved to me through satisfactory evidence of identification, which was to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

Inventor's Signature:		
inventor's dignature.		Alonzo D. Cook
State/Commonwealth		Monzo D. Cook
of		
County of		<u></u>
On this		, 20, before me, the undersigned ook,
personally know	n to me, or	
	rough satisfactory evidend	ce of identification, which was
to be the person whose	name was signed on the	foregoing instrument in my presence, and nstrument as his/her free act and deed.
(SEAL) —		Notary Public
		(print name)
	My Commission e	xpires//
Inventor's Signature:		
State/Commonwealth		Scott Bruder
of		
County of		_
On thisc		, 20, before me, the undersigned
personally known	i to me, or	
	1	ofidontification which
proved to me thro		
o be the person whose n	name was signed on the fo	
o be the person whose nucknowledged that he/sh	name was signed on the fo	pregoing instrument in my presence, and
o be the person whose n	name was signed on the fo	oregoing instrument in my presence, and strument as his/her free act and deed.

Joint

ASSIGNMENT

WHEREAS, we, Thomas M. DiMauro, Mohamed Attawia, Hassan Serhan, Melissa Grace, Michael Slivka, Thomas G. Ferro, Vivek N. Shenoy, Alonzo D. Cook and Scott Bruder, have invented a certain improvement in LOCAL INTRAOSSEOUS ADMINISTRATION OF BONE FORMING AGENTS AND ANTI-RESORPTIVE AGENTS, AND DEVICES THEREFOR described in an application for Patent,

[]	the specification of which is being executed on even date herewith and is about to be filed in the United States Patent Office (use for utility (37 CFR § 1.53(b)) and design filings only);
[]	is about to be filed in the United States Patent Office as a Provisional Application
[X]	the specification of which is United States Application No. 10/723,250, filed November 26, 2003;
[]	the specification of which is a Patent Cooperation Treaty Application, International Application No. [], which designates the United States of America;
[]	which was patented under United States Patent No. [].

WHEREAS, **DePuy Spine**, **Inc.** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **State of Ohio**, and having a usual place of business at 325 **Paramount Drive**, **Raynham**, **Massachusetts 02767-0350** desires to acquire an interest therein in accordance with agreements duly entered into with us;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of any future applications including substitution, reissue, divisional or continuation applications, and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said invention to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below. Inventor's Signature: Thomas M. DiMauro State/Commonwealth County of On this _____ day of ______, 20_____, before me, the undersigned notary public, personally appeared Thomas M. DiMauro, personally known to me, or proved to me through satisfactory evidence of identification, which was to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed. (SEAL) Notary Public (print name) My Commission expires ____/___/

Inventor's Signature:			
State/Commonwealth of		Mohamed	Attawia
County of			
			, before me, the undersigned
personally known to			
proved to me through	n satisfactory evidenc	e of identifica	tion, which was
to be the person whose name acknowledged that he/she si	e was signed on the fo gned the foregoing in	oregoing instr strument as h	ument in my presence, and is/her free act and deed.
(SEAL)			Notary Public
			(print name)
	My Commission ex		
Inventor's Signature:			
State/Commonwealth		Hassan Se	rhan
of			·
County of .		•	
On this day or notary public, personally appe	f eared Hassan Serhan	, 20	_, before me, the undersigned
personally known to m	e, or		
proved to me through s	satisfactory evidence	of identificati	on, which was
to be the person whose name acknowledged that he/she sign	was signed on the for ned the foregoing inst	egoing instrur rument as his	ment in my presence, and her free act and deed.
SEAL)		1	Notary Public
· 		(print name)
	My Commission exp	ires/_	/

Inventor's Signature:	
State/Commonwealth	Melissa Grace
County of	
On this day of	sa Grace, , 20, before me, the undersigned
personally known to me, or	sa Grace,
personally known to me, or	
proved to me through satisfactory	evidence of identification, which was
to be the person whose name was signed acknowledged that he/she signed the fore	on the foregoing instrument in my presence, and going instrument as his/her free act and deed.
(SEAL)	Notary Public
	(print name)
My Commi	ssion expires / /
Inventor's Signature:	
State Co.	Michael Slivka
State/Commonwealth	·
of	
County of	
On this day of notary public, personally appeared Michae	, 20, before me, the undersigned
personally known to me, or	
proved to me through satisfactory ev	vidence of identification, which was
o be the person whose name was signed or cknowledged that he/she signed the forego	of the foregoing instrument in my presence, and being instrument as his/her free act and deed.
SEAL)	Notary Public
	(print name)
My Commiss	sion expires//

Inventor's Signature:		
State/Commonwealth		Thomas G. Ferro
of		
County of		-
On this day notary public, personally a	of ppeared Thomas G. F o	, 20, before me, the undersigned erro,
personally known to	o mẹ, or	
*	gh satisfactory evidence	e of identification, which was
to be the person whose name acknowledged that he/she s	ne was signed on the fo	oregoing instrument in my presence, and astrument as his/her free act and deed.
(SEAL)		Notary Public
		(print name)
_	My Commission ex	zpires//
	14. 17	NI CI
Inventor's Signature:	MUCK	N. Shurry.
State/Commonwealth		Vivek N. Shenoy
of <u>California</u>		V
County of <u>Janta Cla</u>	ara	•
On this <u>25***</u> day notary public, personally ap	of May peared Vivek N. Shene	, 20 <u>04</u> , before me, the undersigned oy,
personally known to	me, or	
proved to me through CA DRIVER	satisfactory evidence of the State of the St	of identification, which was
o be the person whose name acknowledged that he/she sign	e was signed on the forganed the foregoing inst	regoing instrument in my presence, and trument as his/her free act and deed.
IZABEL SWIE COMM. #146 COMM. #146 NOTARY PUBLIC - CA SANTA CLARA CO SANTA CLARA CO My Comm. Expires Ja	DISES WIELD WILLIAMS AND	Notary Public RCZ (print name) pires Jan 1 5 1 708

Inventor's Signature:		
•		Alonzo D. Cook
State/Commonwealth		
		_
County of		_
On thisnotary public, personall	day of y appeared Alonzo D. Co	, 20, before me, the undersigned ok,
personally know	n to me, or	
proved to me thr	ough satisfactory evidence	e of identification, which was
to be the person whose acknowledged that he/sl	name was signed on the fone signed the foregoing income signed the foregoing income.	oregoing instrument in my presence, and strument as his/her free act and deed.
(SEAL)	·	Notary Public
·		(print name)
·	My Commission ex	pires / /
nventor's Signature:		
State/Commonwealth		Scott-Bruder
f		
County of		
otary public, personally	ay ofappeared Scott Bruder ,	, 20, before me, the undersigned
personally known		
proved to me throu	ngh satisfactory evidence of	of identification, which was
be the person whose nacknowledged that he/she	ame was signed on the fore	egoing instrument in my presence, and rument as his/her free act and deed.
SEAL)		Notary Public
EAL)		
		(print name)